

Temperance Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	HALF TERM
Topic	B7- Ecology								
Challenge Objective and Content (for all learners)	<p>B7 Describe how humans can affect biodiversity and consider the actions that improve sustainability.</p> <ul style="list-style-type: none"> -Describe different levels of organisation in an ecosystem and the importance of interdependence -MS Extract and interpret data from graphs and tables -Explain how abiotic and biotic factors can affect a community. -Explain how organisms are adapted to survive. -Draw and interpret food chains. -MS Understand the terms mean, mode and median -RP Measure the population size of a common species in a habitat and investigate the effect of a factor on the distribution of the species. -WS 1.2 Interpret and explain the processes in diagrams of the carbon cycle and the water cycle. 								
Inspire Opportunities	B7 - Explain how organisms are adapted to live in their natural environment, given appropriate information.								
Assessment Opportunities	End of Topic Tests								

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	CHRISTMAS
Topic	B7- Ecology		Revision: B1 – Cell Biology and B2- Organisation	Revision: B3- Infection and Response and B4- Bioenergetics	Mock Exams (Paper 1)		
Challenge Objective and Content (for all learners)	<p>B7 Describe how humans can affect biodiversity and consider the actions that improve sustainability.</p> <ul style="list-style-type: none"> -Describe different levels of organisation in an ecosystem and the importance of interdependence 		<p>B1 - Students should be able to, explain how the structure of different types of cell relate to their function in a tissue, an</p>	<p>B3 - Students should be able to explain how diseases caused by viruses, bacteria, protists and fungi are spread in</p>			

	<p>-MS Extract and interpret data from graphs and tables</p> <p>-Explain how abiotic and biotic factors can affect a community.</p> <p>-Explain how organisms are adapted to survive.</p> <p>-Draw and interpret food chains.</p> <p>-MS Understand the terms mean, mode and median</p> <p>-RP Measure the population size of a common species in a habitat and investigate the effect of a factor on the distribution of the species.</p> <p>-WS 1.2 Interpret and explain the processes in diagrams of the carbon cycle and the water cycle.</p>	<p>organ or organ system, or the whole organism.</p> <p>B2 - Students should know the structure and functioning of the human digestive system and the respiratory system. Students should be able to describe the relationship between health and disease and the interactions between different types of disease.</p>	<p>animals and plants.</p> <p>B4 - Describe and explain the processes of respiration and photosynthesis</p>		
Inspire Opportunities	B7 - Explain how organisms are adapted to live in their natural environment, given appropriate information.	Grade 7-9 questions	Grade 7-9 questions		
Assessment Opportunities	End of Topic Tests	Exam Questions	Exam Questions		

Justice Term

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	HALF TERM
Topic	Revision: B5- Homeostasis and response		Revision: B6- Inheritance, variation and evolution		Revision: B7- Ecology		
Challenge Objective and Content (for all learners)	Describe the structure and function of the nervous system and the hormonal system.		Compare asexual and sexual reproduction, with relation to number of chromosomes and explain how favoured characteristics can be selectively bred.		Describe how humans can affect biodiversity and consider the actions that improve sustainability.		
Inspire Opportunities	Grade 7-9 questions		Grade 7-9 questions		Grade 7-9 questions		
Assessment Opportunities	Exam Questions		Exam Questions		Exam Questions		

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	EASTER
Topic	Mock Exams (Paper 2)	Science Skills	Revision: B1 – Cell Biology		Revision: B2- Organisation		
Challenge Objective and Content (for all learners)			Students should be able to, explain how the structure of different types of cell relate to their function in a tissue, an organ or organ system, or the whole organism.		Students should know the structure and functioning of the human digestive system and the respiratory system. Students should be able to describe the relationship between health and disease and the interactions between different types of disease.		
Inspire Opportunities		Grade 7-9 questions	Grade 7-9 questions		Grade 7-9 questions		
Assessment Opportunities		Exam Questions	Exam Questions		Exam Questions		

Biology Learning Journey Year 11

Courage Term

	Week 1	Week 2	Week 3	Week 4	Week 5	HALF TERM
Topic	Revision: B3- Infection and Response		Revision: B4- Bioenergetics		Science Skills	
Challenge Objective and Content (for all learners)	Students should be able to explain how diseases caused by viruses, bacteria, protists and fungi are spread in animals and plants.		B4 - Describe and explain the processes of respiration and photosynthesis			
Inspire Opportunities	Grade 7-9 questions		Grade 7-9 questions		Grade 7-9 questions	
Assessment Opportunities	Exam Questions		Exam Questions Biology Paper 1 - 13 th May		Exam Questions	

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	SUMMER
Topic	Study Leave						
Challenge Objective and Content (for all learners)							
Inspire Opportunities							
Assessment Opportunities	Biology Paper 2 – 9 th June						